

5 **FUSED INK-JET IMAGE WITH HIGH IMAGE QUALITY,
AIR FASTNESS, AND LIGHT STABILITY**

ABSTRACT OF THE DISCLOSURE

10 A media sheet can comprise a media substrate, an ink receiving layer
applied as a coating to at least one surface of the substrate, and a UV protection
layer applied as a coating to the ink receiving layer. The ink receiving layer can
comprise hollow particulates, and the UV protection layer can comprise UV
absorbing latex particulates. This media substrate can be used in a system
15 wherein a dye-based ink-jet ink is printed thereon, and a fusion system is
configured to fuse UV protection layer and the ink receiving layer after printing of
the ink-jet ink, thereby forming an ink-jet image with high image quality, air
fastness, and light stability.

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